

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (previously presented): A control apparatus for controlling a device-under-control, the control apparatus comprising:

a display part operable to display an output frequency and a frequency setting value;

a key group operable to select at least one mode from a plurality of operation modes;

a pulse generator operable to generate one or more command pulses;

pulse input means for receiving the command pulses outputted from said pulse generator and calculating an amount of change in the received command pulses per unit time; and

control panel control means for calculating the output frequency based on the amount of change in the command pulses per unit time outputted from said pulse input means.

2. (previously presented): A control apparatus as defined in claim 1, wherein the operation modes comprise at least a setting mode in which the frequency setting value can be changed and wherein further, said control panel control means is operable to perform setting operations when data is outputted from said pulse input means even when the selected operation mode is a mode other than the setting mode.



3. (previously presented): A control apparatus as defined in claim 1, wherein said control panel control means is operable to change a scaling factor of an amount of change of the frequency setting value to the amount of change in the command pulses in response to the amount of change in the command pulses per unit time.

4. (previously presented): A control apparatus as defined in claim 3, wherein the scaling factor is held constant for a fixed period of time after operation of said pulse generator is stopped.

5. (previously presented): A control apparatus as defined in claim 1, wherein a setting value is set by operating said pulse generator after a set key has been selected on said key group.

6. (previously presented): A control device for controlling a frequency property of a device under control, the control device comprising:

an operating component operable to display operational properties of the device under control, input control parameters, and output property control signals, wherein said operating component comprises a pulse generator operable to generate a control pulse signal comprising pulses with a frequency determined by a rotation amount of the pulse generator; and,

a control circuit operable to receive the property control signals and generate frequency property control signals based thereon for controlling the frequency property of the device under control and output display signals to said operating component, wherein said control circuit



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comprises a pulse input device operable to receive the control pulse signal and determine a change in the frequency of the pulses.

7. (previously presented): A control device as set forth in claim 6, wherein the change in frequency of the pulses of the control pulse signal is used to generate the frequency property control signals.

8. - 13. (canceled).